MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JANUARY, 1937

J. A. BROWN, DIRECTOR

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JANUARY 1937
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. +...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	74.8	73.2	73.5	73.8	10.7	7.4	8.6	9.7	8.3	8.9
2	2.6	70.9	1.4	1.6	12.4	8.3	10.2	12.2	9.3	10.6
3	69.9	66.7	66.5	67.7	13.4	9.6	11.4	12.7	11.1	11.7
4	2.2	58.7	60.9	60.6	14.6	8.8	12.5	13.6	12.2	12.8
5	60.6	8.5	60.3	59.8	14.4	8.2	11.9	12.7	10.4	11.7
6	63.2	64.9	67.9	65.5	12.1	7.3	9.9	11.4	10.7	10.7
7	70.9	70.4	71.1	70.8	12.6	8.0	10.3	12.3	9.6	10.7
8	69.3	67.1	67.7	68.0	13.0	8.4	10.6	12.7	9.6	11.0
9	7.3	6.0	5.6	6.3	13.7	10.1	11.4	13.6	11.1	12.0
10	3.9	2.4	1.3	2.5	15.9	10.6	12.6	15.6	11.5	13.2
11	58.9	57.0	58.1	58.0	16.6	10.0	13.8	15.5	13.6	14.3
12	9.8	7.9	60.1	9.3	13.7	8.9	10.5	12.4	12.4	11.8
13	61.1	61.3	1.9	61.4	13.4	7.4	12.7	12.3	8.1	11.0
14	3.2	2.8	2.5	2.8	12.6	8.8	10.9	10.1	9.2	10.1
15	0.7	58.9	59.9	59.8	14.5	8.7	11.1	13.4	9.9	11.5
16	62.7	63.7	64.0	63.5	13.9	10.7	13.2	13.3	11.0	12.5
17	3.9	3.8	5.2	4.3	14.7	10.6	13.2	13.9	11.0	12.7
18	7.1	6.4	7.7	7.1	15.1	11.1	13.0	14.1	11.6	12.9
19	6.6	4.3	4.9	5.3	16.8	10.6	15.0	16.2	13.4	14.9
20	5.7	5.1	6.3	5.7	16.3	11.3	11.7	15.6	12.6	13.3
21	66.6	65.0	64.4	65.3	17.1	12.8	13.6	16.4	14.8	14.9
22	3.3	2.8	3.4	3.2	16.0	9.6	14.3	15.7	12.6	14.2
23	3.0	1.3	0.3	1.5	12.8	9.4	11.5	12.1	10.6	11.4
24	56.3	53.8	56.9	55.7	11.1	5.7	9.8	10.7	8.2	9.6
25	9.9	60.5	63.4	61.3	9.8	6.2	8.3	8.4	9.3	8.7
26	65.3	63.4	64.5	64.4	11.8	7.5	7.7	11.3	10.3	9.8
27	6.5	6.1	6.7	6.4	12.7	8.9	9.4	12.1	9.4	10.3
28	6.0	4.5	5.2	5.2	16.7	11.3	11.7	16.1	13.7	13.8
29	5.5	2.8	2.8	3.7	17.9	13.3	16.0	16.8	15.0	15.9
30	58.9	55.7	54.7	56.4	22.1	13.9	16.9	21.4	17.0	18.4
31	5.1	4.1	3.4	4.2	17.1	8.9	15.3	13.6	10.2	13.0
	764.22	762.90	763.63	763.58	14.37	9.43	11.90	13.48	11.25	12.20

Barometer, range for month 753.3 mm.—774.8 mm.
„ 50-yr. average for month 763.360 mm.
Thermometer, Range for month 5.7° C.—22.1° C.
„ 50-yr. average for month 13.67° C.
Rain, total for month 159.463 mm.
„ , 50-yr. average for month 191.01 mm.
„ , total, Sept. 1st to end of month 646.971 mm.
„ 50-yr. average, Sept. 1st to end of month 576.84 mm.

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Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	5.4	5.7	5.1	5.2	5.1	5.0	5.1	63	57	62	61		
2	6.8	9.5	6.7	5.8	7.4	6.1	6.4	63	70	70	68		
3	9.0	10.6	9.3	7.3	8.3	7.8	7.8	72	76	79	76		
4	11.4	12.6	11.4	9.4	10.3	9.6	9.8	87	88	90	88		1.016
5	8.4	10.6	8.4	6.5	8.3	7.2	7.3	62	76	77	72		1.270
6	8.9	8.8	8.0	8.0	7.1	6.6	7.2	88	71	69	76		8.255
7	6.8	7.7	5.9	5.7	5.8	5.2	5.6	61	54	59	58		
8	6.1	9.0	6.2	5.1	6.7	5.5	5.8	54	61	62	59		
9	8.2	10.0	7.2	6.5	7.4	5.8	6.6	65	63	59	62		
10	8.3	9.7	8.1	6.2	6.3	6.3	6.3	57	48	63	56		
11	9.1	10.7	10.6	6.5	7.2	7.9	7.2	56	55	67	59		3.048
12	9.4	10.0	9.3	8.2	7.8	7.1	7.7	87	73	66	75		40.640
13	8.8	8.9	7.6	6.5	6.8	7.6	7.0	60	63	94	72		18.034
14	8.2	8.2	7.2	6.8	7.1	6.6	6.8	70	78	76	75		2.540
15	7.6	9.4	9.4	6.1	6.9	8.5	7.2	63	59	93	72		5.842
16	9.8	10.6	8.0	7.3	8.1	6.5	7.3	65	70	67	67		1.143
17	10.6	10.4	10.3	8.1	7.6	8.9	8.2	71	64	91	75		6.782
18	10.5	11.5	9.4	8.1	8.6	7.6	8.1	73	72	75	73		
19	12.3	12.8	11.3	9.1	9.1	8.9	9.0	72	66	77	72		0.508
20	10.9	13.7	11.0	9.2	10.4	8.9	9.5	90	80	82	84		10.744
21	11.8	13.9	13.2	9.2	10.3	10.3	9.9	79	75	82	79		
22	12.9	12.9	9.4	10.3	9.5	7.2	9.0	84	72	67	74		9.017
23	9.0	8.9	8.3	7.2	6.9	7.0	7.0	71	66	74	70		
24	9.2	9.9	6.7	8.4	8.6	6.5	7.8	92	90	81	88		17.526
25	4.6	5.6	6.1	4.7	5.4	5.5	5.2	58	66	63	62		3.251
26	4.8	8.0	7.6	5.2	6.4	6.4	6.0	66	64	69	66		
27	7.1	9.6	7.4	6.4	7.6	6.7	6.9	72	72	75	73		
28	8.7	12.8	11.6	6.9	9.2	9.0	8.4	67	68	76	70		
29	13.6	13.8	12.7	10.0	10.0	9.6	9.9	75	70	76	74		
30	14.2	14.7	15.1	10.3	8.9	11.5	10.2	72	47	80	66		
31	13.7	12.6	10.1	10.7	10.2	9.1	10.0	82	88	98	89		29.847
				7.45	7.91	7.50	7.62	70.9	68.5	74.8	71.3		5.144

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	0	0	0	0.0	1n	0	0	44.9	slight	
2	1cu	1cu	0	0.7	1sw	0	0	0.3	„	mist a.m.
3	2cu	9ci	5ci	5.3	0	1s	0	1.6	„	„ „
4	0	5st	10ni	5.0	0	0	1s	44.2	mod.	„ „
5	8cu	10nicu	10ni	9.3	1s	0	0	21.4	„	„ „
6	10ni	4cu	6cu	6.7	0	2se	4n	152.9	„	
7	1cu	1cu	2cu	1.3	0	0	0	39.9	„	
8	2cu	8cu	0	3.3	1sw	0	0	15.6	calm	mist a.m.
9	1ci	2ci	0	1.0	0	0	0	3.7	„	„ „
10	10stcu	8stcu	0	6.0	0	3s	0	48.9	rough	„ „
11	3cu	9cu	10ni	7.3	0	5s	5s	339.6	mod.	
12	10ni	8cu	8cu	8.7	2s	5s	2s	581.6	stormy	th. st. hail li. p.m.
13	8cu	10nicu	10ni	9.3	5s	3s	2s	487.6	„	hail p.m.
14	4cu	10ni	2cu	5.3	1se	2s	0	79.9	mod.	
15	7stcu	10cicu	10ni	9.0	2se	0	1s	92.3	calm	
16	8cu	10cu	8cu	7.0	1s	1s	0	86.9	slight	mist a.m.
17	9nicu	9cu	8cu	8.7	5s	4s	0	299.2	rough	
18	8stcu	6stcu	4stcu	6.0	1se	1s	0	62.2	slight	
19	10cicu	8stcu	4cu	7.3	0	2s	0	72.3	„	lightning
20	8ni	10nicu	4cu	7.3	0	1s	0	44.4	mod.	
21	6cu	6cu	10nicu	7.3	0	3s	2s	232.5	slight	mist a.m.
22	5cu	7cu	4cu	5.3	3n	2n	3n	345.5	mod.	
23	10cu	8cu	10cu	9.3	0	3n	1n	211.6	„	
24	10ni	10ni	10ni	10.0	1s	1s	4n	241.9	rough	hail p.m. & lightn.
25	10nicu	10ni	8cu	9.3	5s	3sw	4w	380.8	„	
26	10cu	10nicu	10nicu	10.0	1s	1w	2n	101.9	mod.	
27	10nicu	3cu	0	4.3	0	1s	0	75.6	slight	
28	8nicu	6cicu	10cu	8.0	1s	1s	0	99.8	calm	
29	2ci	7stcu	10cu	8.7	0	0	0	62.8	mod.	
30	8cicu	8cicu	8cicu	8.0	0	2w	2sw	183.4	„	lightningp .m.
31	9ni	10ni	10ni	9.7	2sw	2sw	0	252.0	„	
				6.6	1·1	1·6	1·1			

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	0	0	3	9	3	0	0	14	31
14:30	2	0	0	1	15	2	2	0	9	31
20:30	5	0	0	0	6	1	1	0	18	31
Totals	9	0	0	4	30	6	3	0	41	93

Number of days with rain 16, fog 0, thunderstorms 1, gales 0.

50-yr. average number of days with rain during month 15.8